

中国显脉长蝽属两新种记述 (半翅目:长蝽科)

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本文记述长蝽科显脉长蝽属两新种。此属是一个小属,全世界已知20余种,过去在我国只记载一种,现又发现两个新种。文中所用长度单位为毫米。

长显脉长蝽 *Lygaeosoma longulum* 新种 (图1, 2, 3)

体较狭长,橘黄色,具黑色斑纹,被金黄色短毛。头顶基部具三角形黑斑,中叶褐色,突出,长于侧叶;眼前微隆起,眼后黑,单眼靠近复眼,单眼间距为单眼与复眼间距的5倍;触角黑,具短毛,第1节稍长于头的前端,第4节纺锤形;喙黑,伸达后足基节,第1节伸过前胸腹板前缘,各节的长度几乎相等;小颊淡黄色,高而长,伸达头的基部(图2)。前胸背板前缘稍窄于头宽,并与眼相接,侧缘和后缘直,前缘明显

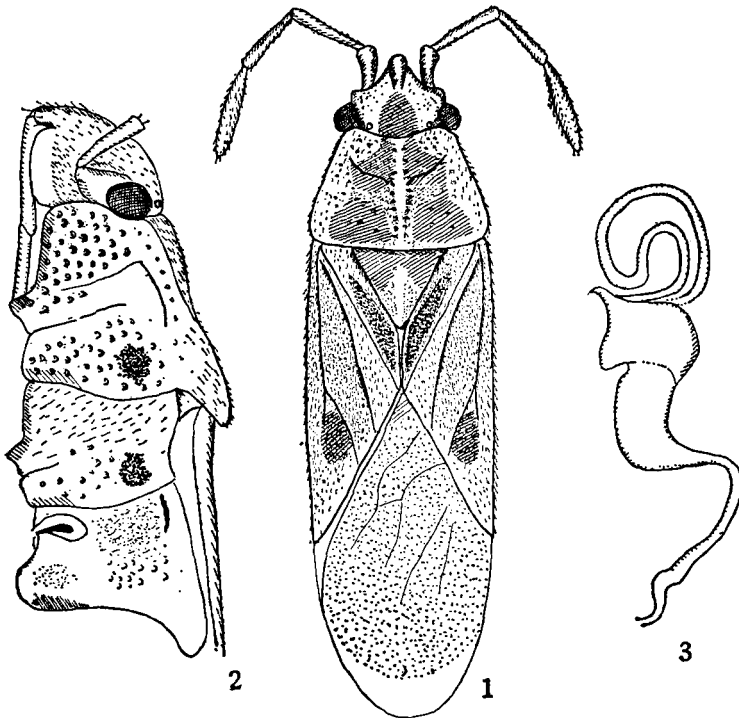


图1—3 长显脉长蝽 *Lygaeosoma longulum* Zou et Zheng sp. nov.

1. 背面观 2. 侧面观 3. 雌性受精囊

本文于1978年9月收到。

后凹,后侧角钝圆,几无横缢,中纵脊弱,向后渐消失。胫区微隆起,黑色,并与前缘的两黑斑和后部的两大馒头形斑相连接成两条宽大的黑色纵带(有时纵带在胫后中断)。刻点大而深,由于毛被甚密,以致使刻点不甚清晰。小盾片为等边三角形,基部平,黑褐,端部橘黄,纵脊明显。爪片褐色,端部2/3黑色,几无毛被,内缘和结合缝黄褐色;革片黑褐,翅脉、顶角及端缘黄褐色,端缘末端外弯,因而顶角尖锐;翅脉凸出、清晰,革片近顶角处具一光滑无毛的黑色斑;前缘直,端缘与爪片缝等长;膜片黑,端部具宽大的白边,不透明,超过腹部末端。胸部下面淡黄,具密集刻点,以前胸刻点最多,前胸和中胸侧板后缘中央各具一小圆形黑色斑,后胸侧板后缘强烈弯曲,后侧角形成明显的锐角(图2),臭腺沟缘耳状,淡黄色。前足股节黑褐,中、后足股节基半褐色,端半黑褐,各足胫节大部褐色,仅两端黑褐,或全部黑褐,跗节亦为黑褐。腹部暗黄褐色,船底形。受精囊如图3。头长0.80,宽1.19,眼间距0.80,触角各节长I:II:III:IV = 0.40:0.78:0.60:0.99。前胸背板长1.15,前缘宽1.12,后缘宽1.85。小盾片长0.78,宽0.80。爪片结合缝长0.60,爪片端至革片端长1.39,革片端至膜片端长1.49。体长6.10。

正模♀,云南思茅,1955. IV.11,存中国科学院动物研究所;副模♀,云南普洱,1955. IV.3,存南开大学生物系。

本种的体形、色泽及受精囊与已知种均不相似,所以很易辨认(图1—3)。

云南显脉长蝽 *Lygaeosoma yunnanensis* 新种(图4, 5, 6, 7)

红褐色具黑褐色晕斑,体被短小金黄色斜立毛。头、触角、喙和足黑褐色,头顶在眼的前方与中叶、侧叶基部间的圆形斑红褐色或橘红色,眼内缘有时橘黄。中叶突出,长于侧叶,二者端部黑褐,具直立毛。触角具毛,基节较粗,圆柱形,稍长于头的前端,第4节粗,纺锤形。触角瘤明显下倾,几与头部垂直。单眼极靠近复眼,单眼间距约为单眼与复眼间距的8倍,眼大、突出,并与前胸背板相接。小颊长,末端尖,淡黄色,达头的基部(图5)。喙伸过中足基节,第1节超过前胸腹板前缘。前胸背板橘黄色,在中部微横缢,具大而稀的黑褐色刻点,前缘和后缘微成弧形弯曲,侧缘直,仅在后侧角处外倾,中纵脊在后半稍显,黄褐色。前叶中部、胫沟后方至横缢处,后缘的两横带,后叶的侧缘,亚侧缘以及中纵线两侧的纵带黑褐色(图4),有时不甚清晰。小盾片黑褐,末端黄褐色,突出于爪片之上,“T”形脊明显。前翅

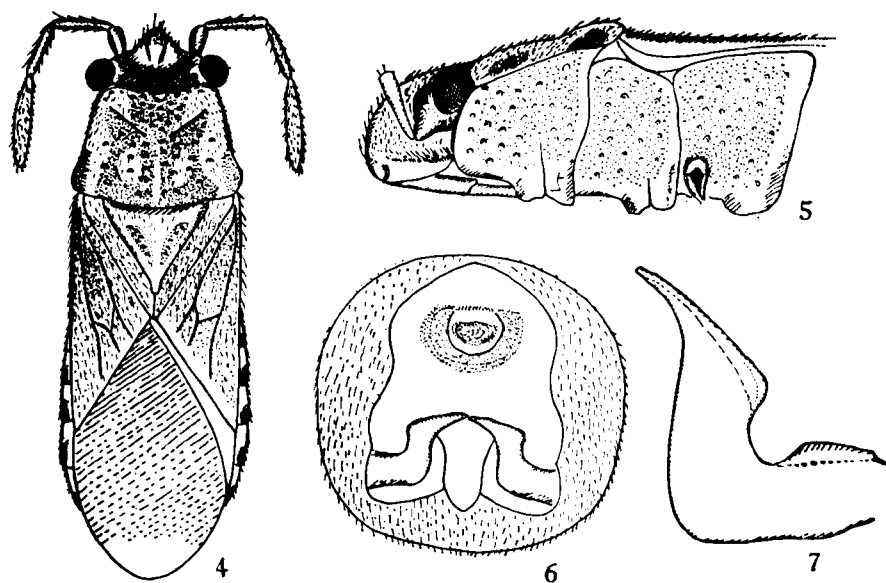


图4—7 云南显脉长蝽 *Lygaeosoma yunnanensis* Zou et Zheng sp. nov.

4. 背面观 5. 侧面观 6. 雄性生殖节开口 7. 抱器

褐色或红褐色，最基部和端缘黄褐色，翅脉凸出、显著、色淡；前缘和端缘直，爪片缝与端缘等长；翅合拢时窄于腹部，侧接缘明显外露，每节前半黄褐色，后半黑色；膜片黑，超过腹部末端，顶端具宽大的白边，透明。胸部腹面褐色，具密集刻点；前胸腹板前缘、后胸侧板后缘黄褐色或红褐色，后者直，斜切，后侧角成锐角(图5)。前足和中足股节基部、后足股节基半黄褐色。臭腺沟缘淡黄色。腹部腹面黄褐色，基部和生殖节褐色，雄性生殖节开口如图6，抱器如图7。

体长3.40。头长0.40，宽0.95，眼间距0.55。触角各节长 I:II:III:IV = 0.25:0.45:0.40:0.55。前胸背板长0.82，前缘宽0.85，后缘宽1.25。小盾片长0.65，宽0.70。爪片端至革片端长0.80，革片端至膜片端长0.70。

正模♂，云南西双版纳(猛混坝)，1958. V.12，郑乐怡采，存中国科学院动物研究所；副模♂，同上，存南开大学生物系。

本种与小显脉长蟠 *Lygaeosoma pusillum* (Dallas) 相似，但前胸背板红褐色，具黑褐色晕斑，雄性生殖节开口(图6)和抱器(图7)的形状也与小显脉长蟠(图8、9)不同。

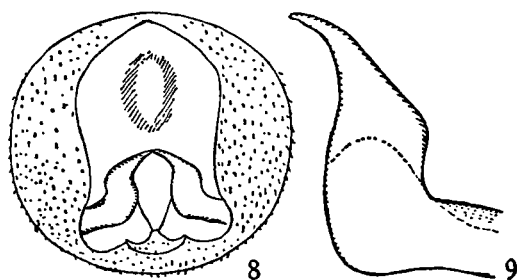


图8—9 小显脉长蟠 *Lygaeosoma pusillum* (Dallas)

8. 雄性生殖节开口 9. 抱器

DESCRIPTIONS OF TWO NEW SPECIES OF *LYGAEOSOMA* FROM CHINA

(Hemipt.-Heteropt.: Lygaeidae)

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This paper gives the descriptions of two new species belonging to *Lygaeosoma*, collected from Yunnan, China.

Lygaeosoma longulum Zou et Zheng, sp. nov. (figs. 1, 2, 3)

Body orange-ochraceous, with golden pubescence. Head with a large triangular black spot at base. Antennae black, first joint slightly exceeding apex of tylus, 4th joint spindle-shaped. Rostrum black, reaching the posterior coxae, the basal joint of the rostrum passing the anterior margin of prosternum, bucculae rather high, parallel-sided, not tapering (fig. 2). Pronotum with an inconspicuous and posteriorly vanishing median carinae; pronotal disc with 2 broad black vittae which sometimes interrupted (fig. 1). Scutellum pitchy and flat at base, apex ochraceous. Clavus brown, apical two third black. Corium brown, apical angle, veins and apical margin ochraceous, with a elongately ovoid black spot adjacent to apical angle. Membrane black, apex white, opaque, slight exceeding apex of abdomen. Pectus pale ochraceous, a small black spot on propleuron and mesopleuron respectively, metapleural hind angle distinctly acute (fig. 2). Spermatheca as shown in fig. 3. Total Length 6.10 mm.

Holotype ♀, Sinao (South Yunnan), deposited in Zoological institute, Academia Sinica. Paratype ♀, Puer (South Yunnan), deposited in Nankai University.

Lygaeosoma yunnanensis Zou et Zheng sp. nov. (figs. 4, 5, 6, 7)

Body form, size and coloration similar to *L. pusillum* (Dallas), but distinctly differing from it in pronotal color pattern (fig. 4), shape of pygophore opening and clasper as shown in figs. 6—7. Total Length 3.40 mm.

Holotype ♂, Menghun (South Yunnan), deposited in Zoological Institute, Academia Sinica; paratype ♂, Menghun (South Yunnan), deposited in Nankai University.